OIPE JC177
MAY 26 2004
PATENT & TRADEMARK OFFICE

Fig. 1

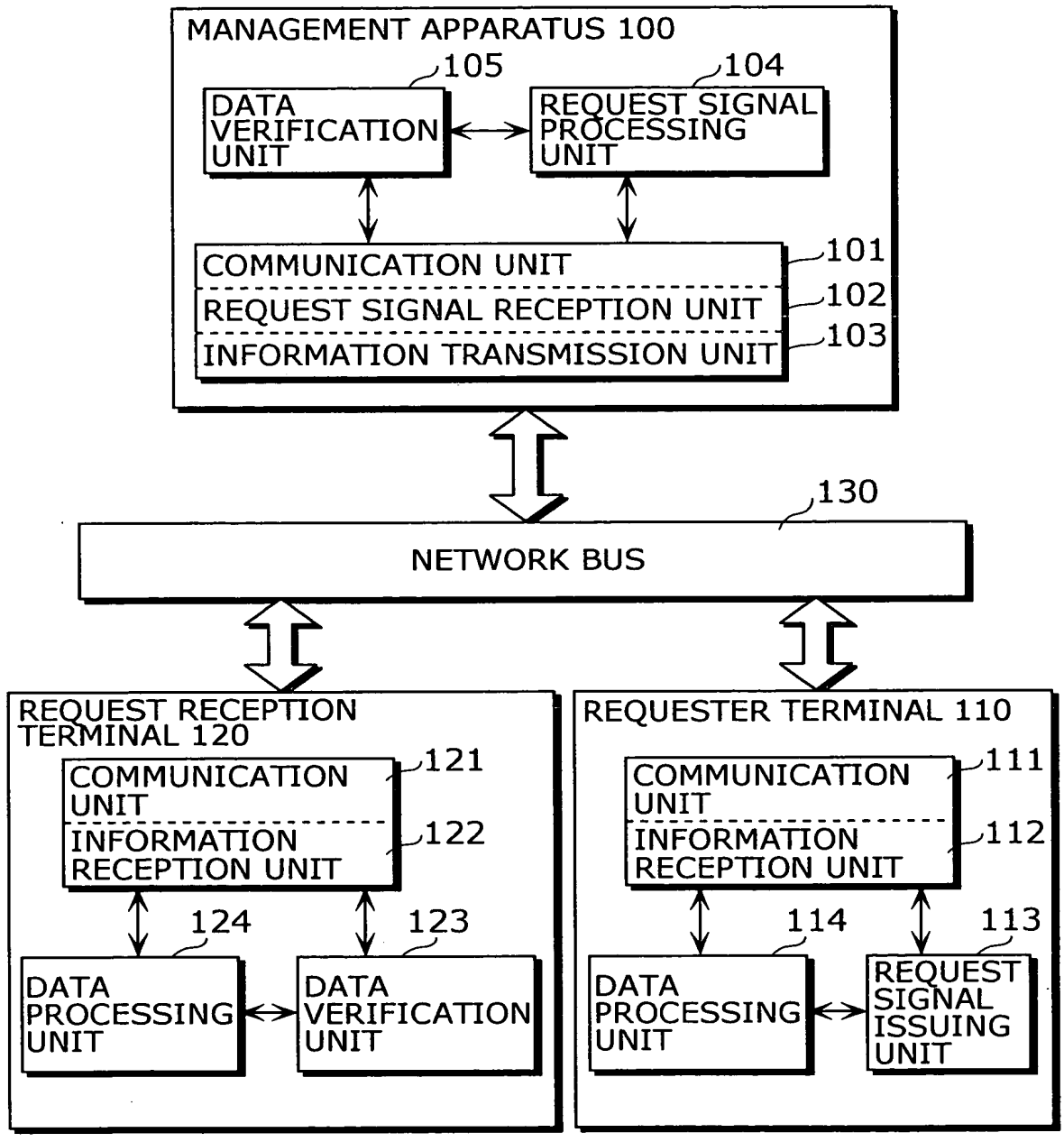


Fig. 2

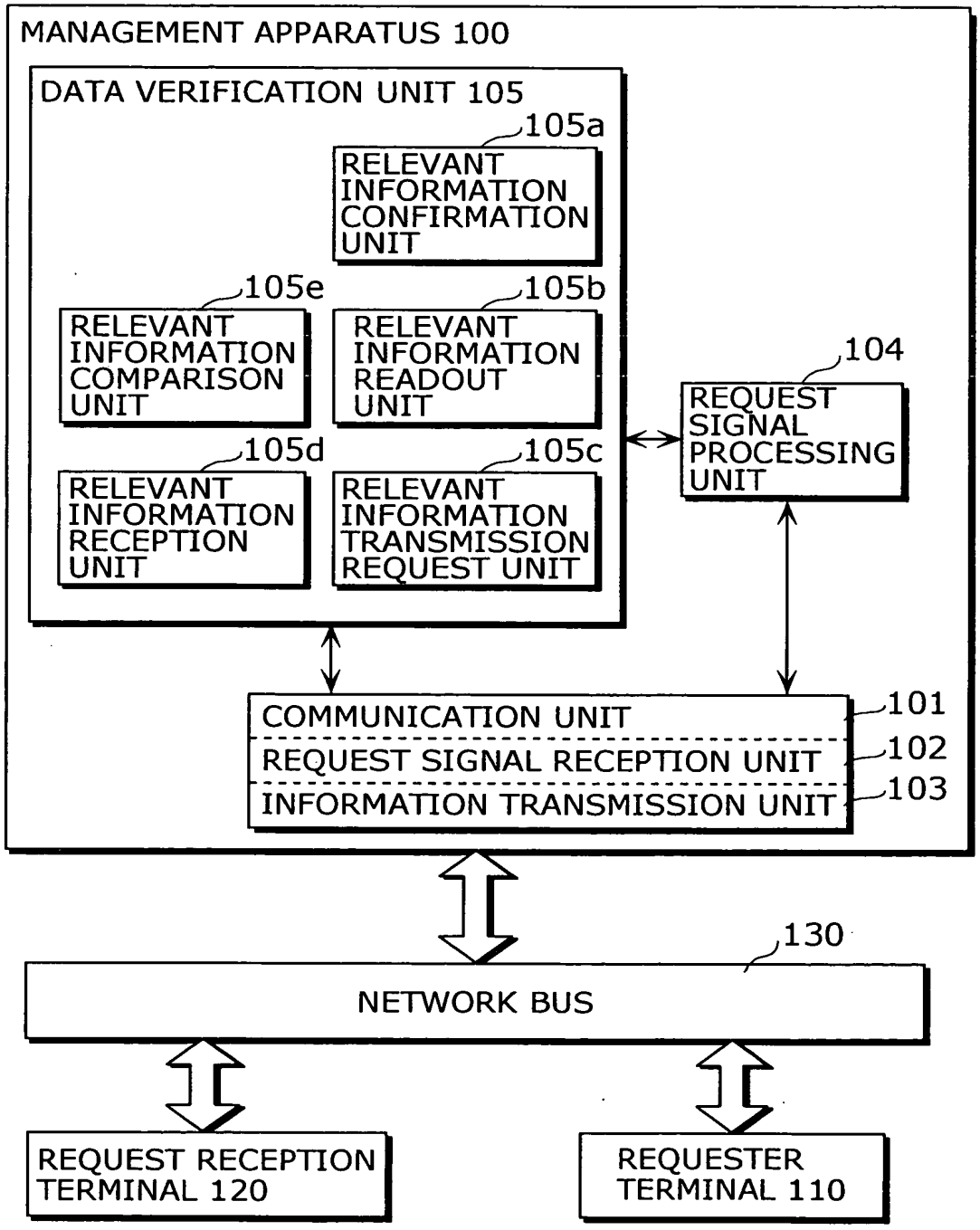

MANAGEMENT APPARATUS 100
DATA VERIFICATION UNIT 105
105a
RELEVANT INFORMATION CONFIRMATION UNIT
105e
RELEVANT INFORMATION COMPARISON UNIT
105b
RELEVANT INFORMATION READOUT UNIT
104
REQUEST SIGNAL PROCESSING UNIT
105d
RELEVANT INFORMATION RECEPTION UNIT
105c
RELEVANT INFORMATION TRANSMISSION REQUEST UNIT
COMMUNICATION UNIT
101
REQUEST SIGNAL RECEPTION UNIT
102
INFORMATION TRANSMISSION UNIT
103
130
NETWORK BUS
REQUEST RECEPTION TERMINAL 120
REQUESTER TERMINAL 110

Fig. 3

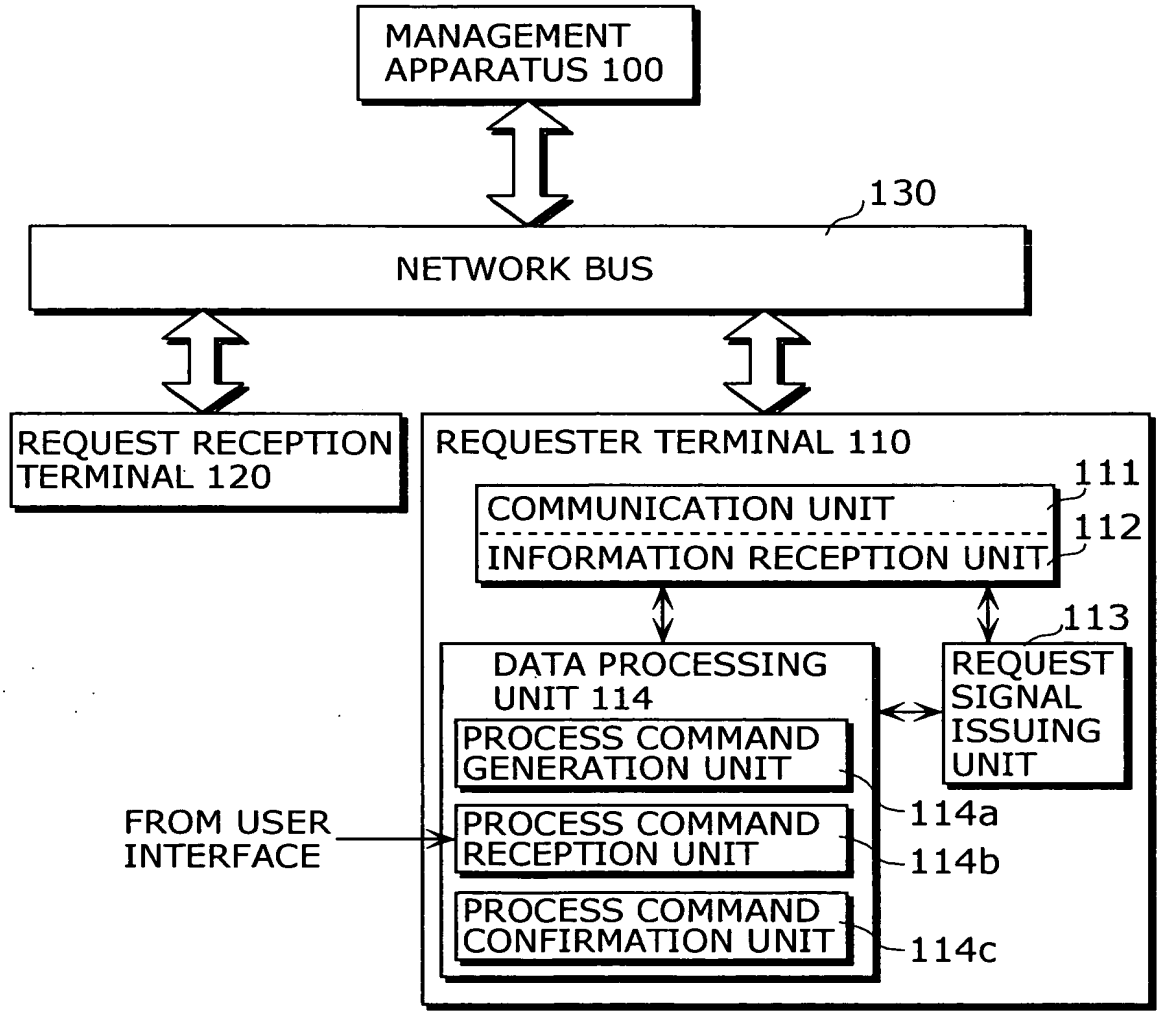

MANAGEMENT APPARATUS 100
130
NETWORK BUS
REQUEST RECEPTION TERMINAL 120
REQUESTER TERMINAL 110
111
COMMUNICATION UNIT
112
INFORMATION RECEPTION UNIT
113
DATA PROCESSING UNIT 114
REQUEST SIGNAL ISSUING UNIT
PROCESS COMMAND GENERATION UNIT
114a
FROM USER INTERFACE
PROCESS COMMAND RECEPTION UNIT
114b
PROCESS COMMAND CONFIRMATION UNIT
114c

Fig. 4

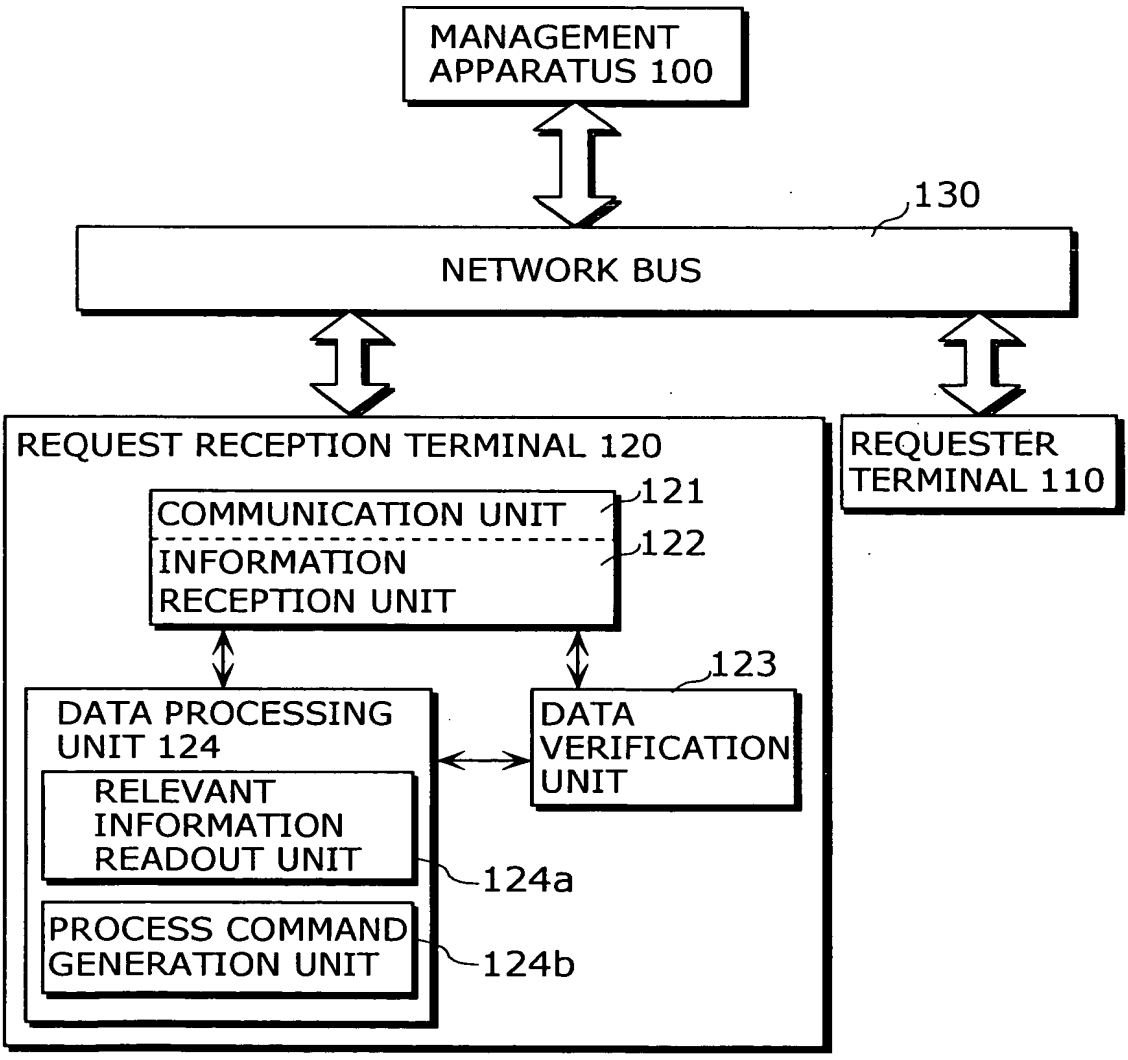

MANAGEMENT APPARATUS 100
130
NETWORK BUS
REQUEST RECEPTION TERMINAL 120
REQUESTER TERMINAL 110
COMMUNICATION UNIT
121
INFORMATION RECEPTION UNIT
122
123
DATA PROCESSING UNIT 124
DATA VERIFICATION UNIT
RELEVANT INFORMATION READOUT UNIT
124a
PROCESS COMMAND GENERATION UNIT
124b

Fig. 5

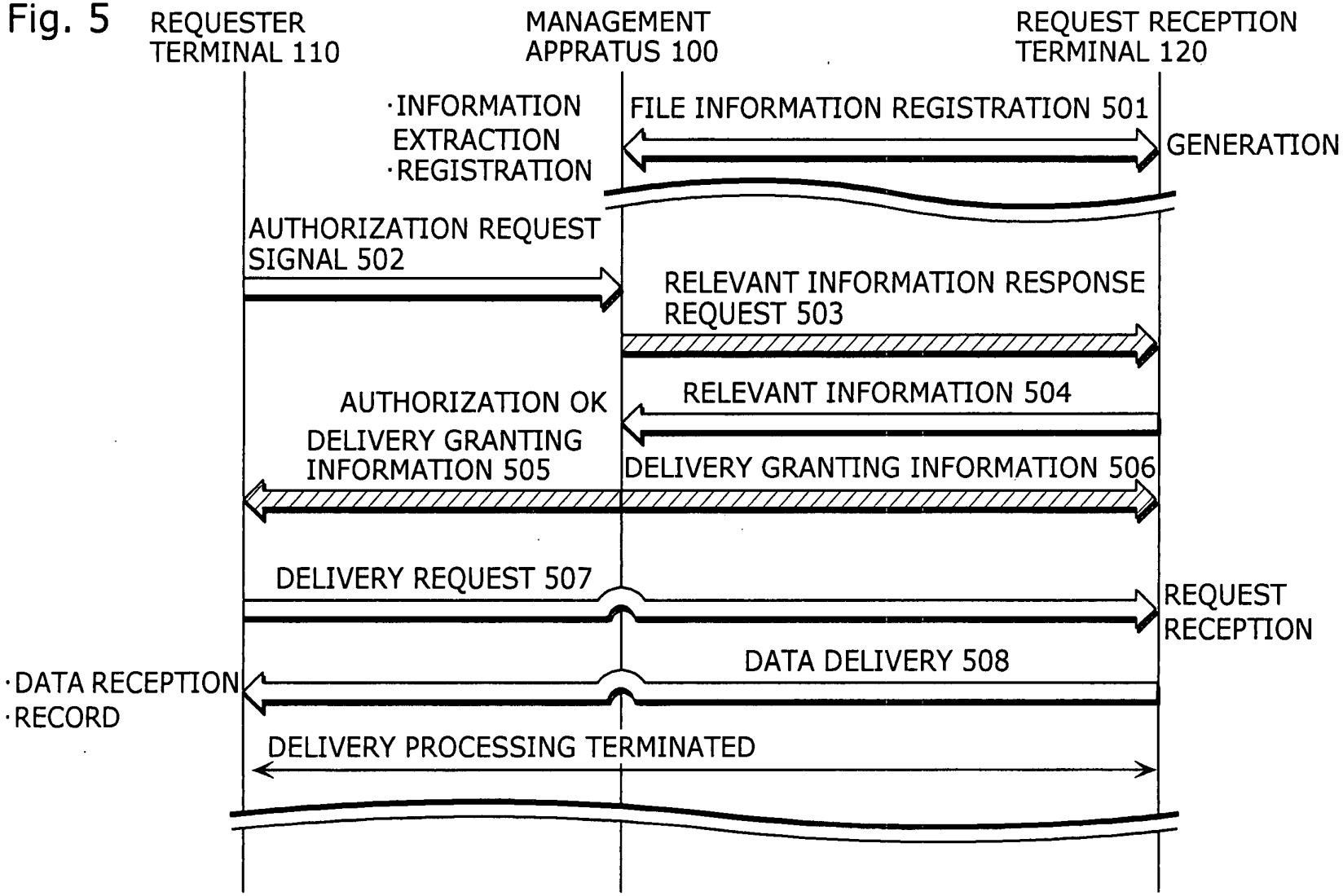

REQUESTER TERMINAL 110
MANAGEMENT APPRATUS 100
REQUEST RECEPTION TERMINAL 120
·INFORMATION EXTRACTION ·REGISTRATION
FILE INFORMATION REGISTRATION 501
GENERATION
AUTHORIZATION REQUEST SIGNAL 502
RELEVANT INFORMATION RESPONSE REQUEST 503
AUTHORIZATION OK
RELEVANT INFORMATION 504
DELIVERY GRANTING INFORMATION 505
DELIVERY GRANTING INFORMATION 506
DELIVERY REQUEST 507
REQUEST RECEPTION
DATA DELIVERY 508
·DATA RECEPTION ·RECORD
DELIVERY PROCESSING TERMINATED

Fig. 6(a)

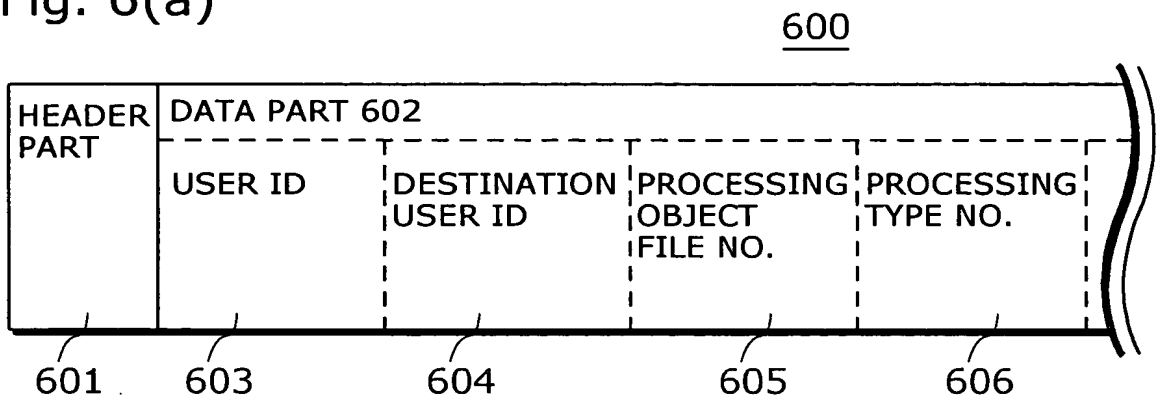



Fig. 6(b)

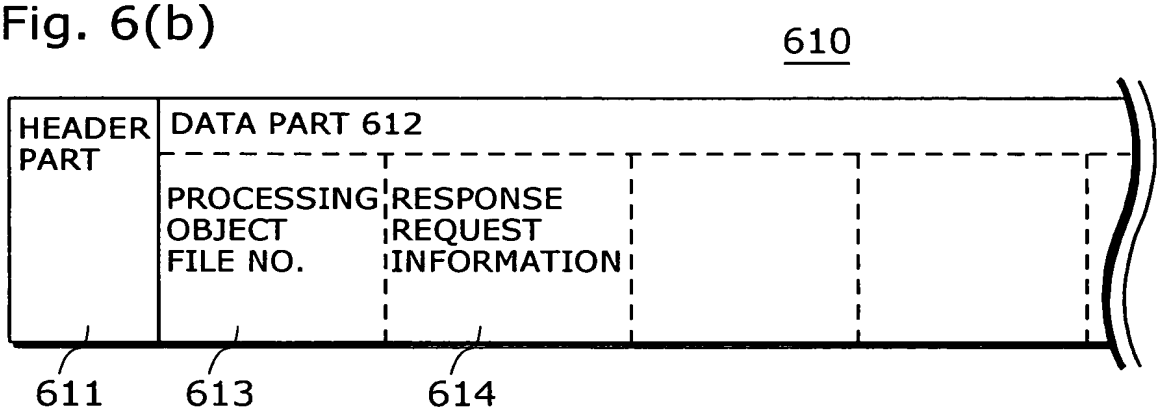



Fig. 6(c)

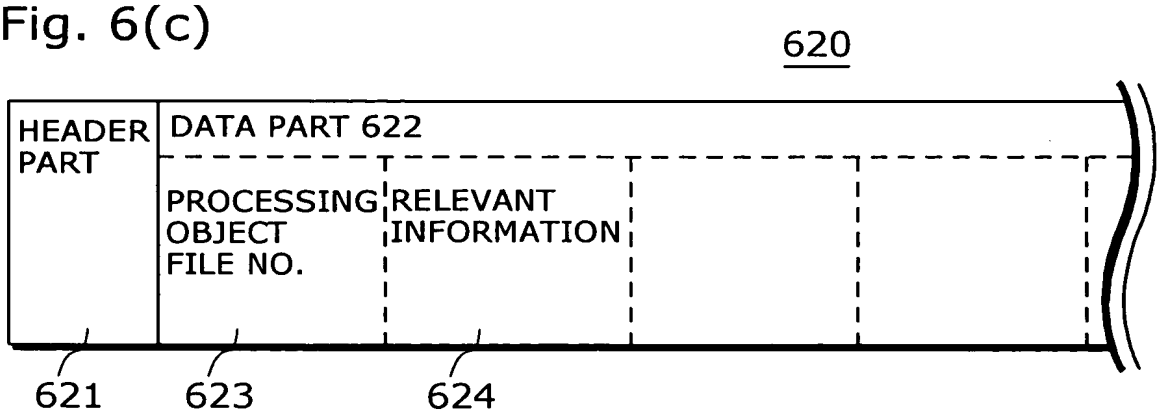


Fig. 7

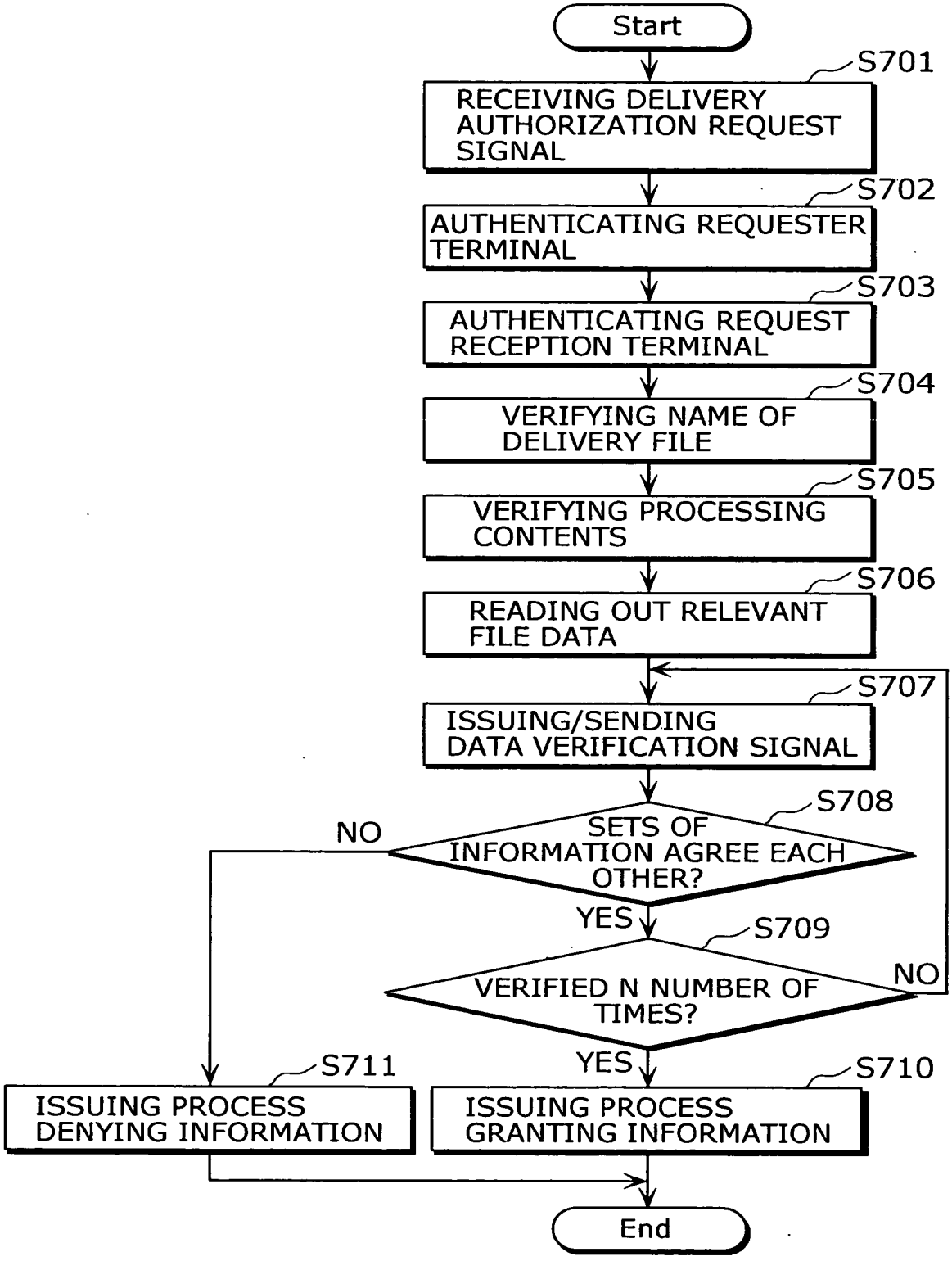

Start
S701
RECEIVING DELIVERY AUTHORIZATION REQUEST SIGNAL
S702
AUTHENTICATING REQUESTER TERMINAL
S703
AUTHENTICATING REQUEST RECEPTION TERMINAL
S704
VERIFYING NAME OF DELIVERY FILE
S705
VERIFYING PROCESSING CONTENTS
S706
READING OUT RELEVANT FILE DATA
S707
ISSUING/SENDING DATA VERIFICATION SIGNAL
S708
SETS OF INFORMATION AGREE EACH OTHER?
NO
YES
S709
VERIFIED N NUMBER OF TIMES?
NO
YES
S710
ISSUING PROCESS GRANTING INFORMATION
S711
ISSUING PROCESS DENYING INFORMATION
End

Fig. 8

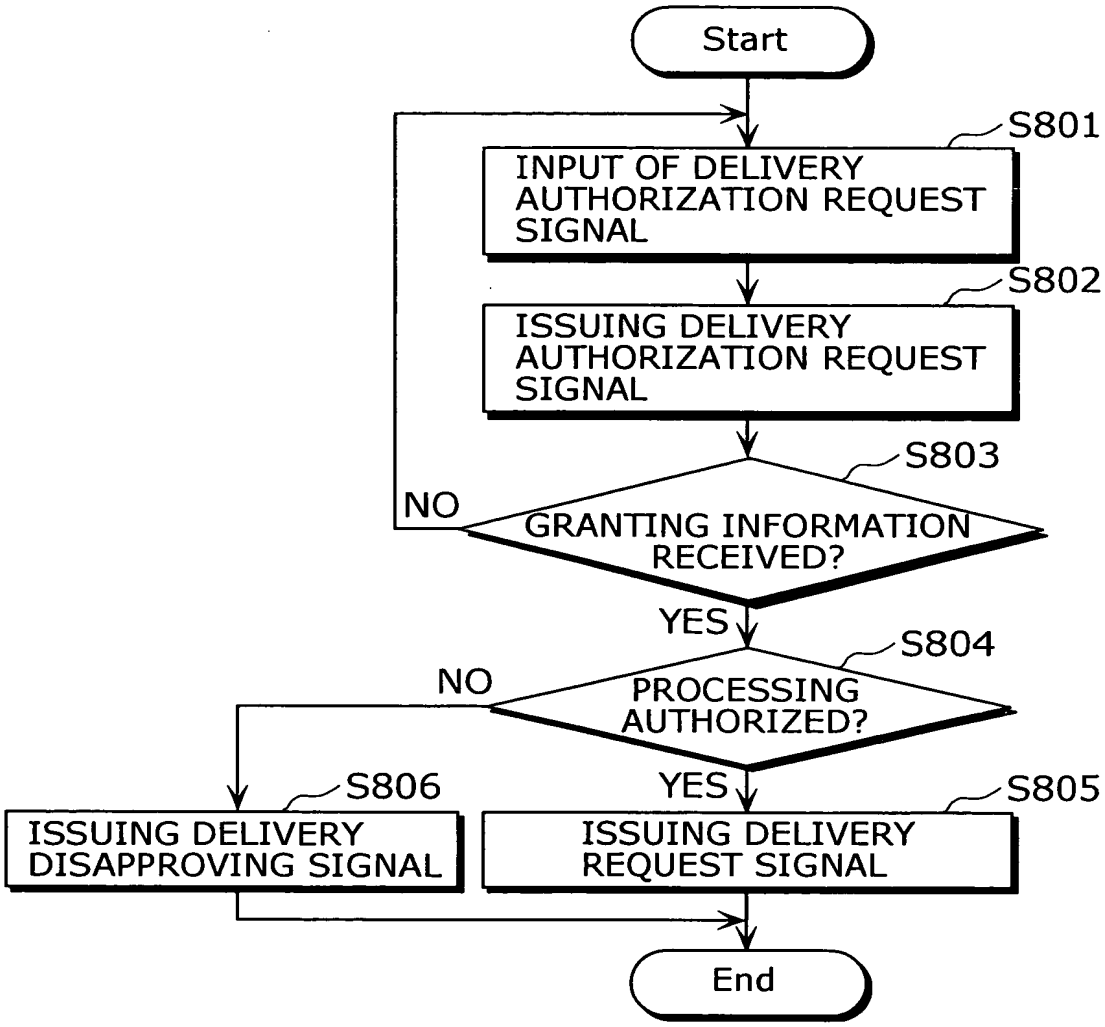

Start
S801
INPUT OF DELIVERY AUTHORIZATION REQUEST SIGNAL
S802
ISSUING DELIVERY AUTHORIZATION REQUEST SIGNAL
S803
NO
GRANTING INFORMATION RECEIVED?
YES
S804
NO
PROCESSING AUTHORIZED?
YES
S806
ISSUING DELIVERY DISAPPROVING SIGNAL
S805
ISSUING DELIVERY REQUEST SIGNAL
End

Fig. 9

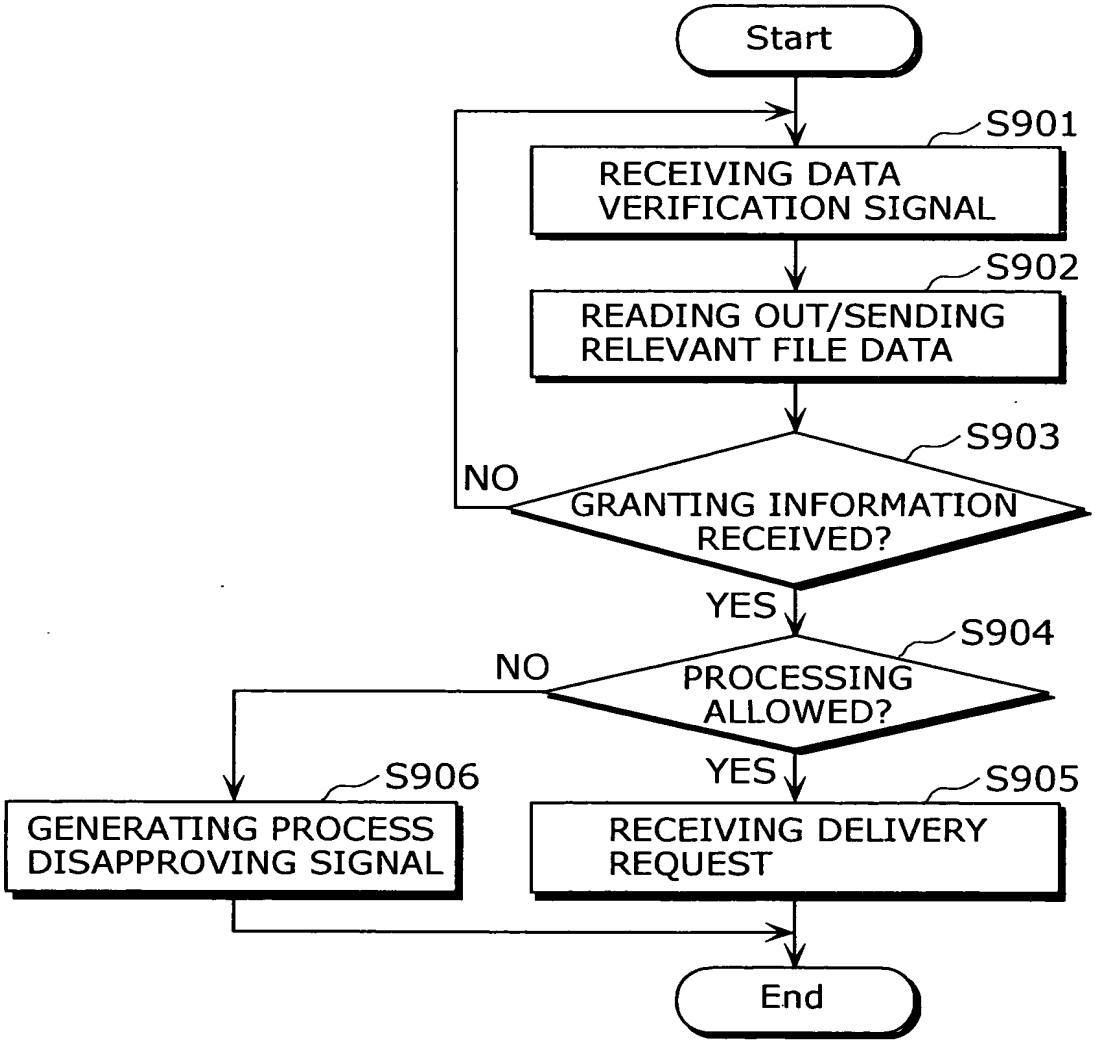

Start
S901
RECEIVING DATA VERIFICATION SIGNAL
S902
READING OUT/SENDING RELEVANT FILE DATA
S903
NO
GRANTING INFORMATION RECEIVED?
YES
S904
NO
PROCESSING ALLOWED?
YES
S906
GENERATING PROCESS DISAPPROVING SIGNAL
S905
RECEIVING DELIVERY REQUEST
End

Fig. 10

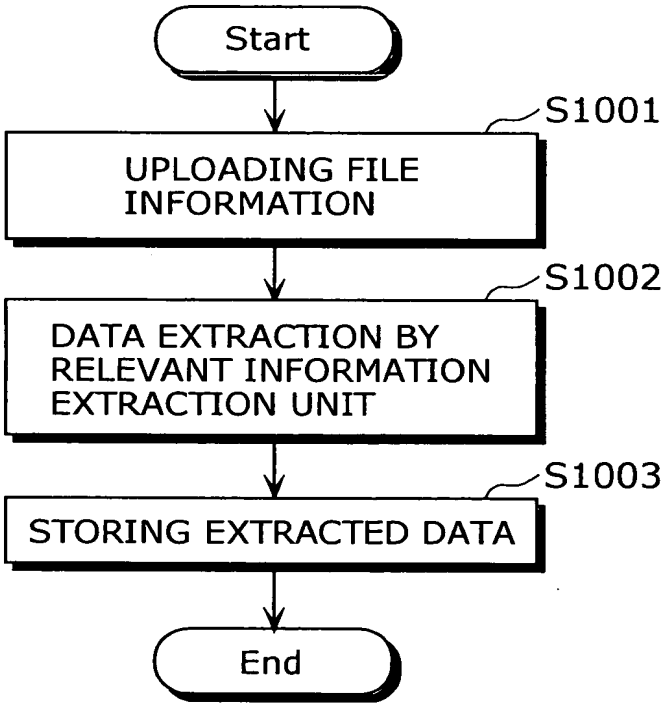

Start
S1001
UPLOADING FILE INFORMATION
S1002
DATA EXTRACTION BY RELEVANT INFORMATION EXTRACTION UNIT
S1003
STORING EXTRACTED DATA
End

Fig. 11

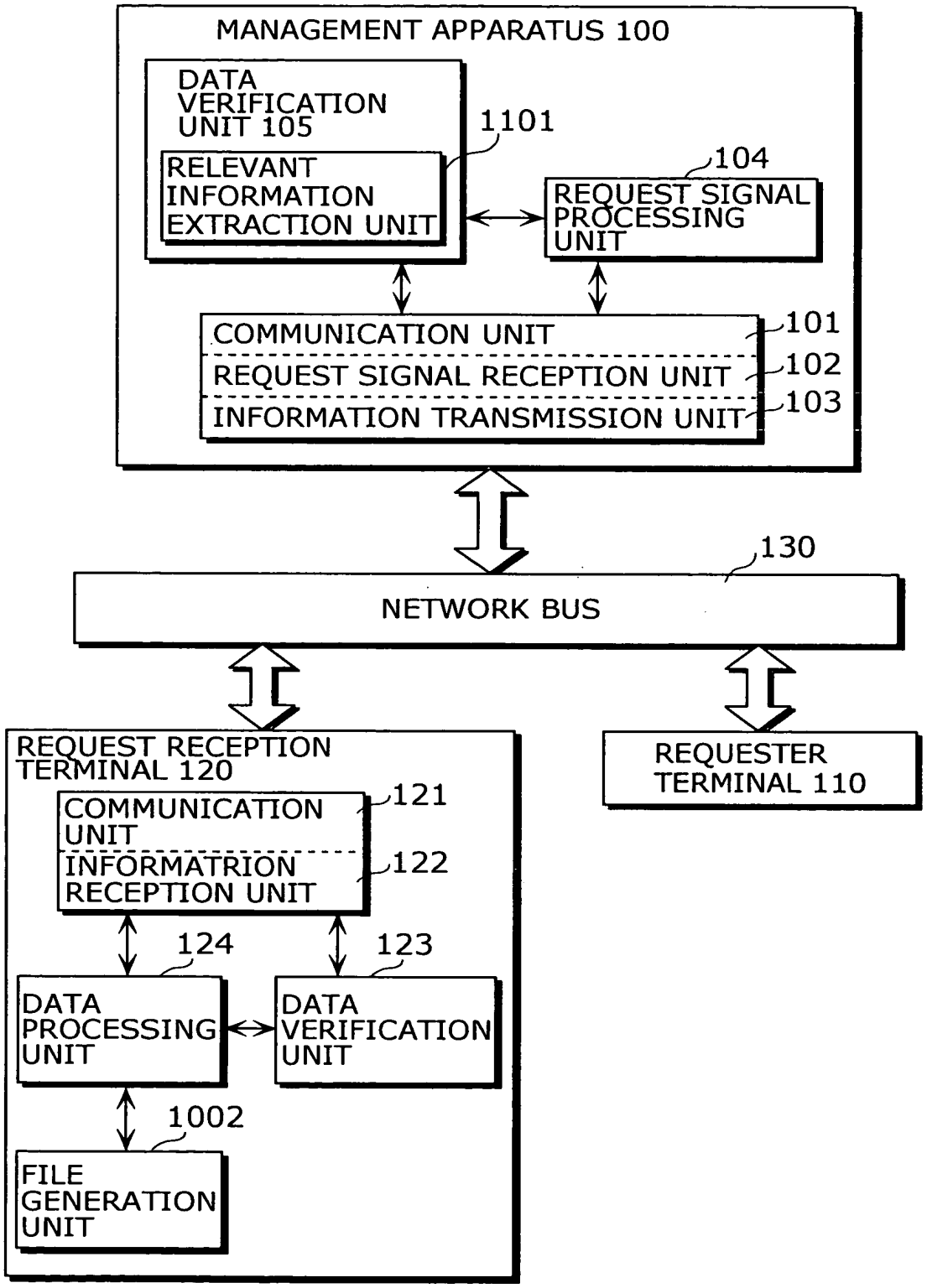

MANAGEMENT APPARATUS 100
DATA VERIFICATION UNIT 105
1101
RELEVANT INFORMATION EXTRACTION UNIT
104
REQUEST SIGNAL PROCESSING UNIT
COMMUNICATION UNIT
101
REQUEST SIGNAL RECEPTION UNIT
102
INFORMATION TRANSMISSION UNIT
103
130
NETWORK BUS
REQUEST RECEPTION TERMINAL 120
COMMUNICATION UNIT
121
INFORMATRION RECEPTION UNIT
122
124
123
DATA PROCESSING UNIT
DATA VERIFICATION UNIT
1002
FILE GENERATION UNIT
REQUESTER TERMINAL 110

Fig. 12

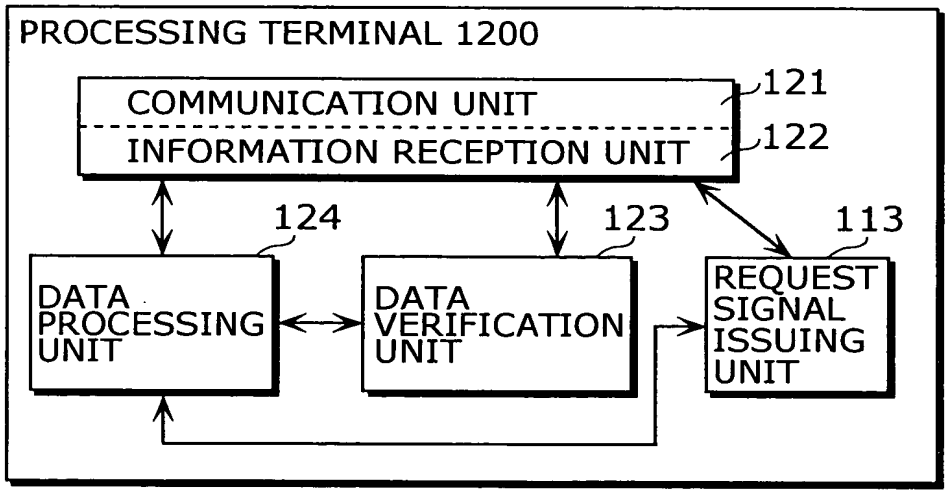

PROCESSING TERMINAL 1200
COMMUNICATION UNIT
INFORMATION RECEPTION UNIT
121
122
124
123
113
DATA PROCESSING UNIT
DATA VERIFICATION UNIT
REQUEST SIGNAL ISSUING UNIT

Fig. 13

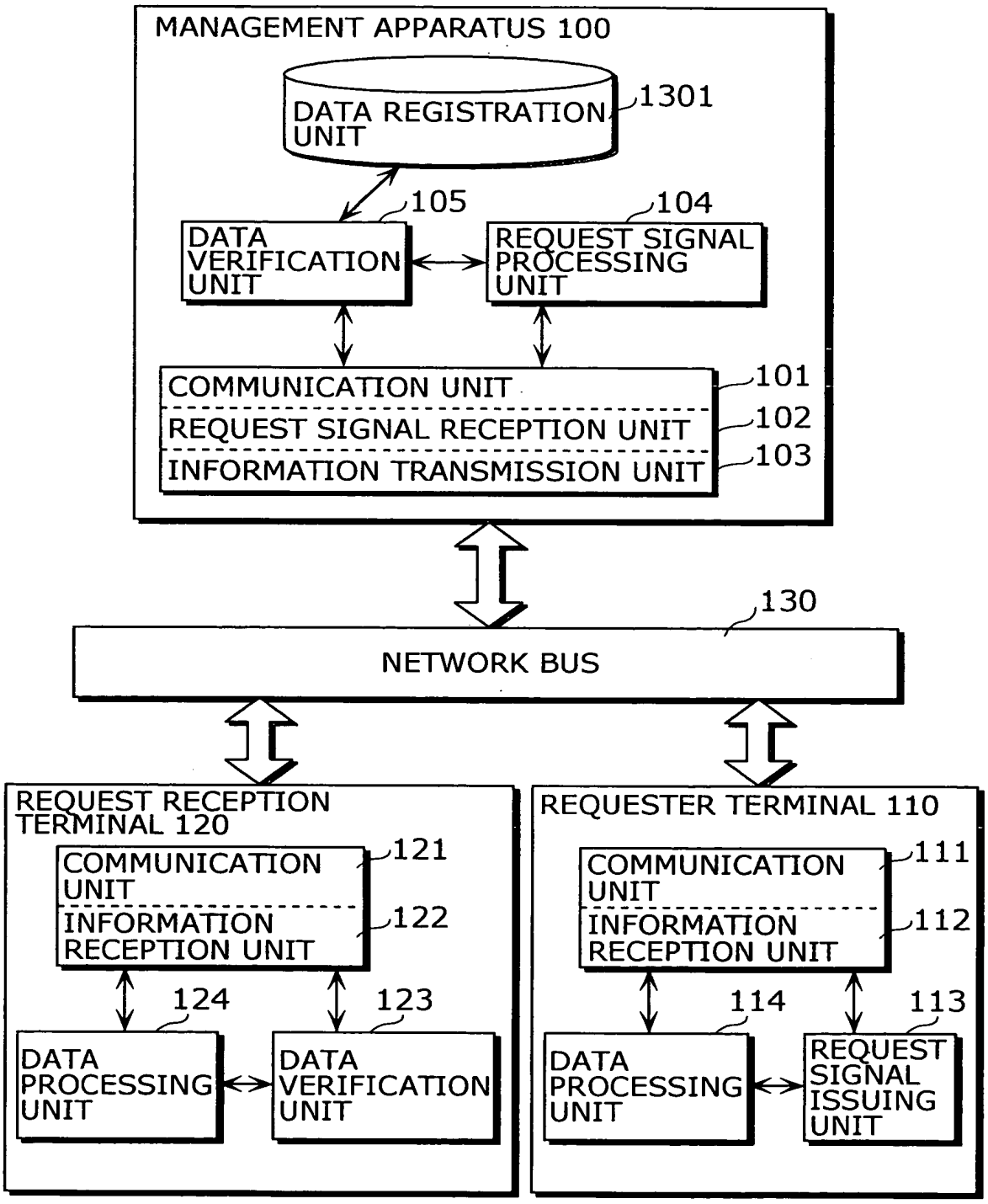

MANAGEMENT APPARATUS 100
DATA REGISTRATION UNIT
1301
105
104
DATA VERIFICATION UNIT
REQUEST SIGNAL PROCESSING UNIT
COMMUNICATION UNIT
101
REQUEST SIGNAL RECEPTION UNIT
102
INFORMATION TRANSMISSION UNIT
103
130
NETWORK BUS
REQUEST RECEPTION TERMINAL 120
COMMUNICATION UNIT
121
INFORMATION RECEPTION UNIT
122
124
123
DATA PROCESSING UNIT
DATA VERIFICATION UNIT
REQUESTER TERMINAL 110
COMMUNICATION UNIT
111
INFORMATION RECEPTION UNIT
112
114
113
DATA PROCESSING UNIT
REQUEST SIGNAL ISSUING UNIT

Fig. 14

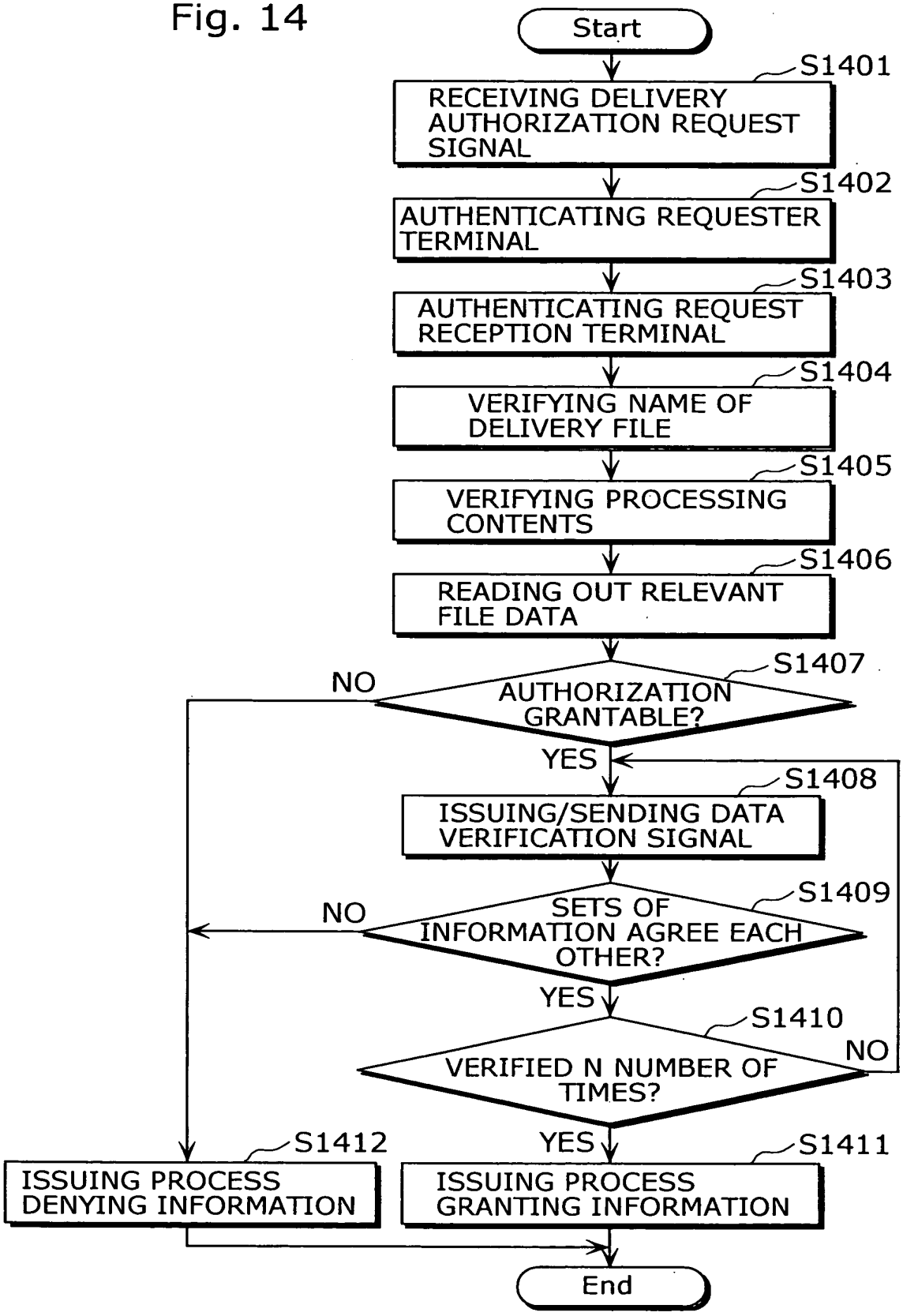

Start
S1401
RECEIVING DELIVERY AUTHORIZATION REQUEST SIGNAL
S1402
AUTHENTICATING REQUESTER TERMINAL
S1403
AUTHENTICATING REQUEST RECEPTION TERMINAL
S1404
VERIFYING NAME OF DELIVERY FILE
S1405
VERIFYING PROCESSING CONTENTS
S1406
READING OUT RELEVANT FILE DATA
S1407
AUTHORIZATION GRANTABLE?
NO
YES
S1408
ISSUING/SENDING DATA VERIFICATION SIGNAL
S1409
SETS OF INFORMATION AGREE EACH OTHER?
NO
YES
S1410
VERIFIED N NUMBER OF TIMES?
NO
YES
S1411
ISSUING PROCESS GRANTING INFORMATION
S1412
ISSUING PROCESS DENYING INFORMATION
End

Fig. 15

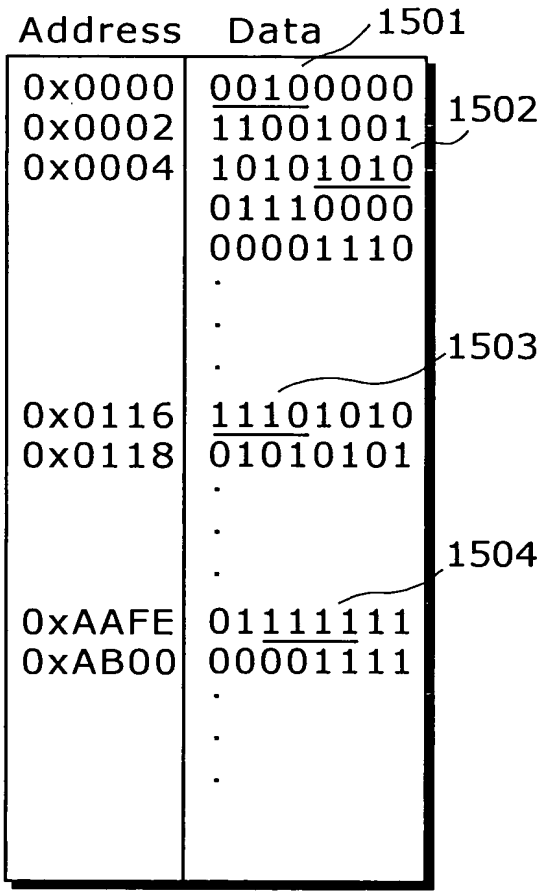

Address
Data
1501
0x0000
00100000
0x0002
11001001
1502
0x0004
10101010
01110000
00001110
1503
0x0116
11101010
0x0118
01010101
1504
0xAAFE
01111111
0xAB00
00001111

Fig. 16

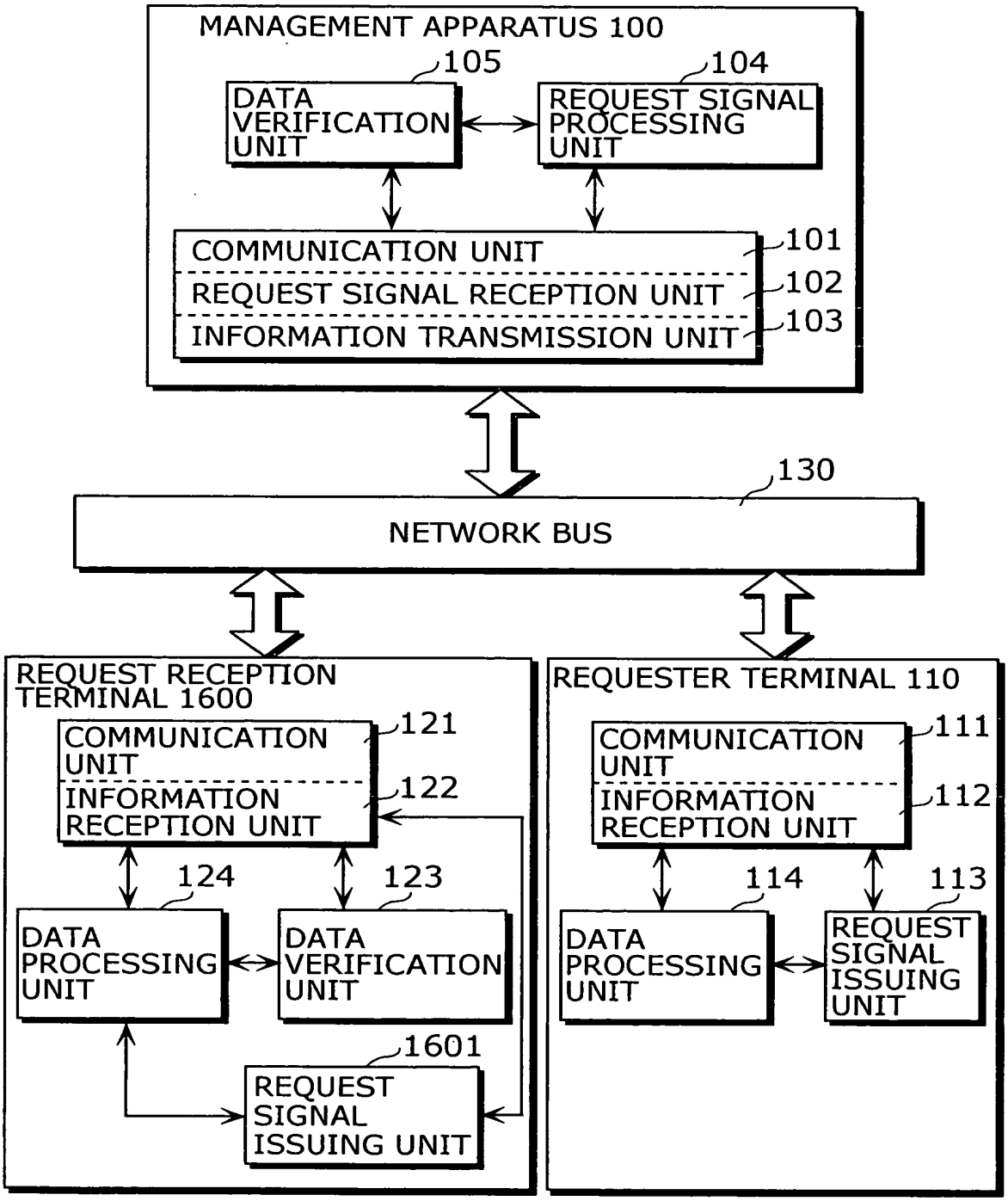

MANAGEMENT APPARATUS 100
105
DATA VERIFICATION UNIT
104
REQUEST SIGNAL PROCESSING UNIT
COMMUNICATION UNIT
101
REQUEST SIGNAL RECEPTION UNIT
102
INFORMATION TRANSMISSION UNIT
103
130
NETWORK BUS
REQUEST RECEPTION TERMINAL 1600
COMMUNICATION UNIT
121
INFORMATION RECEPTION UNIT
122
124
123
DATA PROCESSING UNIT
DATA VERIFICATION UNIT
1601
REQUEST SIGNAL ISSUING UNIT
REQUESTER TERMINAL 110
COMMUNICATION UNIT
111
INFORMATION RECEPTION UNIT
112
114
113
DATA PROCESSING UNIT
REQUEST SIGNAL ISSUING UNIT

Fig. 17

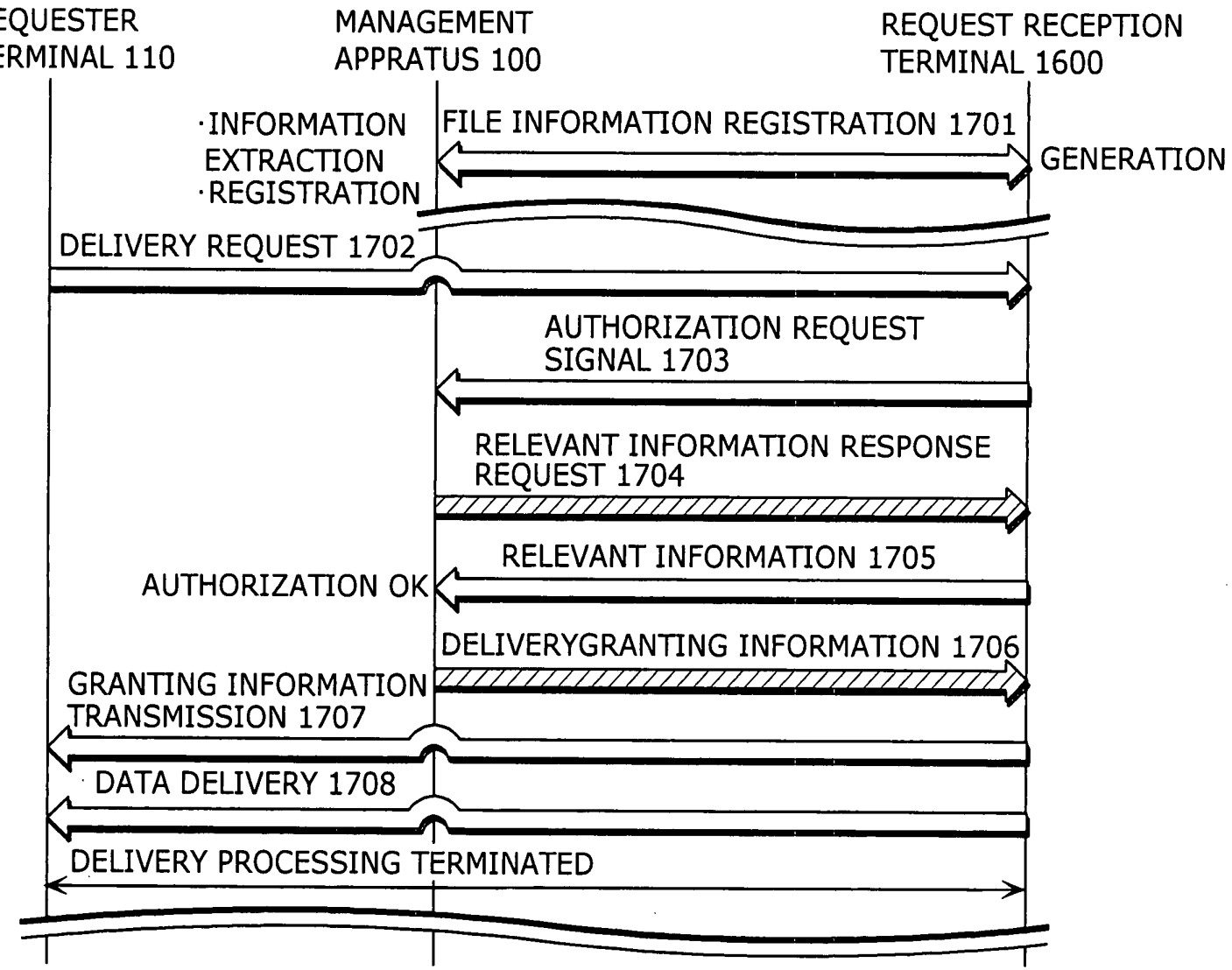

REQUESTER TERMINAL 110
MANAGEMENT APPRATUS 100
REQUEST RECEPTION TERMINAL 1600
·INFORMATION EXTRACTION ·REGISTRATION
FILE INFORMATION REGISTRATION 1701
GENERATION
DELIVERY REQUEST 1702
AUTHORIZATION REQUEST SIGNAL 1703
RELEVANT INFORMATION RESPONSE REQUEST 1704
RELEVANT INFORMATION 1705
AUTHORIZATION OK
DELIVERYGRANTING INFORMATION 1706
GRANTING INFORMATION TRANSMISSION 1707
DATA DELIVERY 1708
DELIVERY PROCESSING TERMINATED

Fig. 18

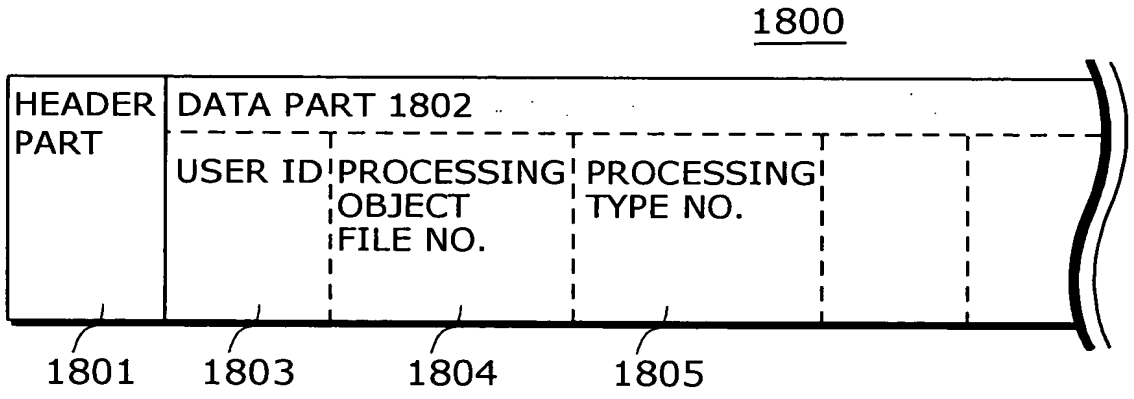

1800
HEADER PART
DATA PART 1802
USER ID
PROCESSING OBJECT FILE NO.
PROCESSING TYPE NO.
1801
1803
1804
1805

Fig. 19

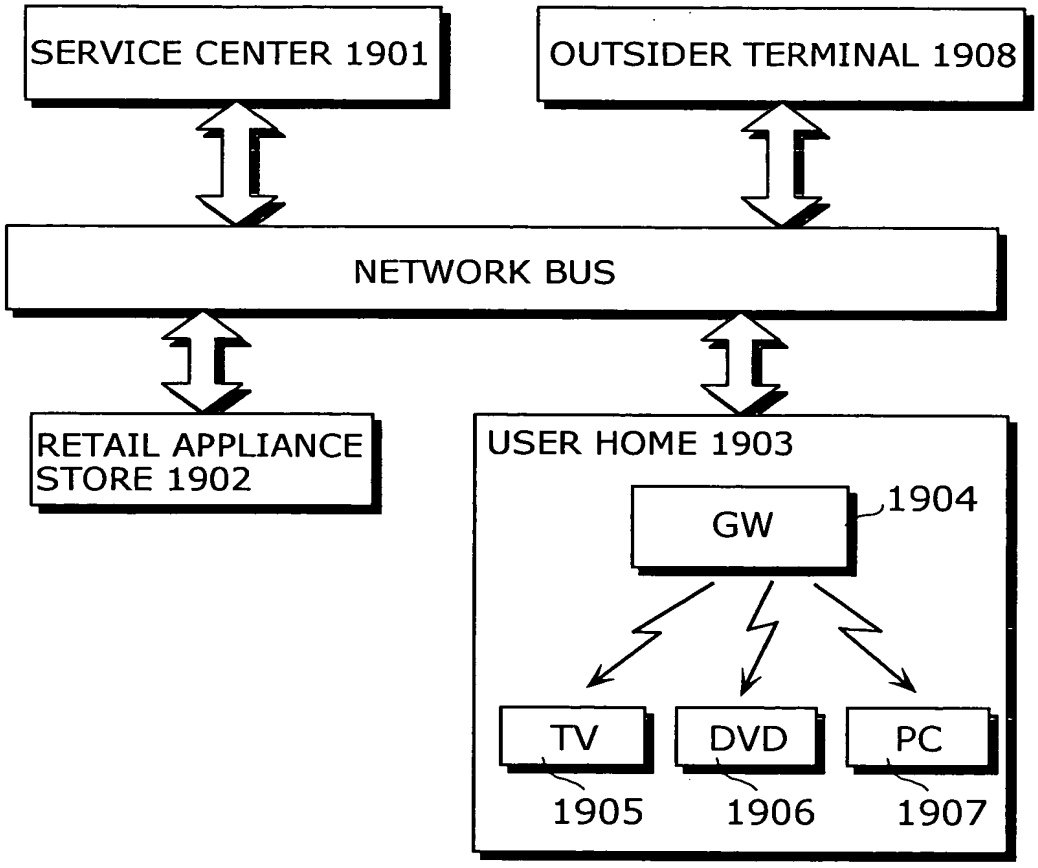
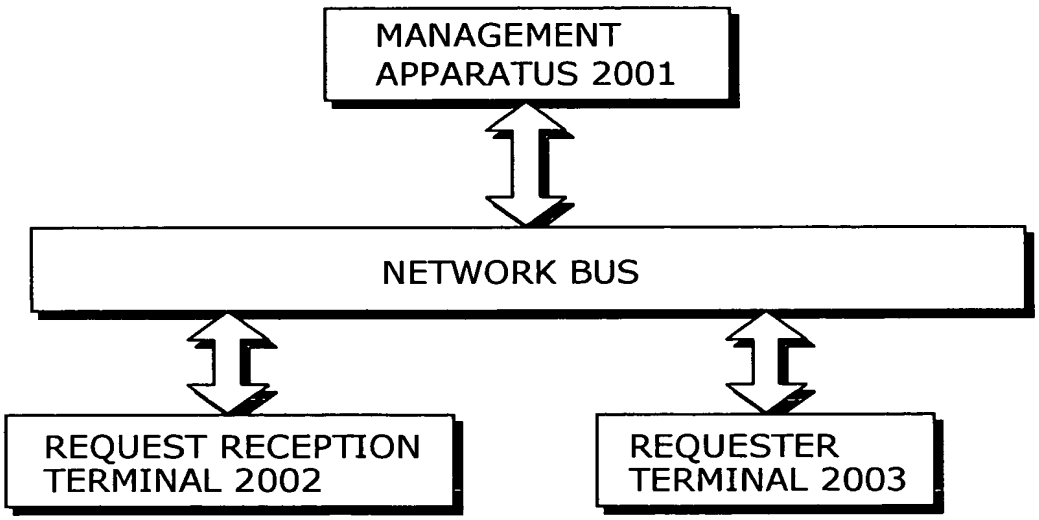

SERVICE CENTER 1901
OUTSIDER TERMINAL 1908
NETWORK BUS
RETAIL APPLIANCE STORE 1902
USER HOME 1903
GW
1904
TV
DVD
PC
1905
1906
1907

Fig. 20


MANAGEMENT APPARATUS 2001
NETWORK BUS
REQUEST RECEPTION TERMINAL 2002
REQUESTER TERMINAL 2003